

Appl. No. 10/759,342

Amdt. dated July 8, 2005

Reply to Office action of April 22, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended). A system for supplying consumers with heat energy or with cooling energy, comprising:

at least one source for heat energy or for cooling energy, and an output line communicating with said source;

a controllable distributor device with an input connected to said output line of said source and with a plurality of outputs connected to forward-flow lines for selectively supplying heat or cooling energy via a transfer medium at mutually different temperature levels to a given consumer at a respectively required temperature level;

~~at least one heat reservoir~~ a plurality of heat reservoirs  
each respectively connected in parallel with ~~each~~ a respective  
one of a plurality of the consumers at mutually different temperature levels, wherein said heat ~~reservoir is~~ reservoirs  
are configured to store excess heat energy at ~~a given~~ mutually  
different temperature ~~level~~ levels and to supply heat energy

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content contained therein to the respectively connected consumer at the given temperature level.

Claim 2 (currently amended). The system according to claim 1, wherein each of the plurality of consumers for heat energy at the mutually different temperature levels has a respective said heat reservoir connected in parallel therewith via respective consumer circuits.

Claim 3 (original). The system according to claim 1, wherein said source for cooling energy is an exchanger device selected from the group consisting of at least one environmental collector and a heat pump, and wherein a reservoir for cooling energy is connected in parallel to a respective consumer of cooling energy.

Claim 4 (original). The system according to claim 1, which comprises shut-off valves connected between the forward-flow lines for feeding heat energy and cooling energy to the respectively associated consumers.

Claim 5 (original). The system according to claim 1, wherein one of the consumers is a wall, and wherein reversing valves are connected into the forward-flow lines for feeding heat energy and cooling energy into the walls, and said reversing

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valves are configured to supply the heat energy into the walls from below and to supply the cooling energy into the walls from above.

Claim 6 (original). The system according to claim 1, which comprises plurality of consumer circuits each with a forward-flow line and a return line, and lines directly connecting said consumer circuits via said return lines and said forward-flow lines, are provided, whereby a forward-flow line of said distributor device is connectible to the forward-flow line of said consumer circuit having a highest temperature level and a return line of said distributor device is connectible to the return line of the consumer circuit having a lowest temperature level.

Claim 7 (original). A method for supplying consumers with heat energy or with cooling energy which comprises:

connecting a plurality of consumers to the system according to claim 1;

outputting heat energy from the source and selectively supplying heating energy and cooling energy to the consumers;

storing thermal energy not required by the consumers in at least one of the thermal reservoirs connected in parallel with

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the consumers of different temperature level, and supplying  
the thermal energy to the consumers upon demand.

Claim 8 (original). The method according to claim 7, which  
comprises using the thermal reservoir as the source when a  
heating furnace or a heat pump located in the system is  
switched off.